

## ABSTRACT OF THE DISCLOSURE

The invention relates to compositions, kits, and methods for predicting, detecting, inhibiting, and alleviating bone-related disorders and other disorders. Examples of bone-related disorders include osteoporosis, Paget's disease, hyperthyroidism, hyperparathyroidism, osteomalacia, chronic renal failure, Cushing's syndrome, osteogenic cancers, and non-osteogenic cancers that have metastasized to bone tissue.